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TECH CENTER 1600/2900



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1600

RAW SEQUENCE LISTING

DATE: 08/01/2002

PATENT APPLICATION: US/09/655,109

TIME: 13:29:16

Input Set : A:\seq_listing.txt

Output Set: N:\CRF3\08012002\I655109.raw

3 <110> APPLICANT: Noteborn, Mathieu H.M.
4 Astrid, Danen-Van Oorschot AAM
6 <120> TITLE OF INVENTION: Apoptin-Associating Proteins
8 <130> FILE REFERENCE: 2906-4995US
10 <140> CURRENT APPLICATION NUMBER: 09/655,109
11 <141> CURRENT FILING DATE: 2000-09-05
13 <150> PRIOR APPLICATION NUMBER: EP 99202858.9
14 <151> PRIOR FILING DATE: 1999-09-02
16 <150> PRIOR APPLICATION NUMBER: EP 99203465.2
17 <151> PRIOR FILING DATE: 1999-10-21
19 <160> NUMBER OF SEQ ID NOS: 10
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 17
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: pACT-specific 17-mer
31 <400> SEQUENCE: 1
32 taccactaca atggatg
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 10
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Myc-tag
43 <400> SEQUENCE: 2
45 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
46 1 5 10
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 16
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: AAP-1 peptide
57 <400> SEQUENCE: 3
59 Cys Thr Lys Thr Ser Glu Thr Asn His Thr Ser Arg Pro Arg Leu Lys
60 1 5 10 15
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 947
65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapiens
68 <220> FEATURE:

17

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69 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (5)..(5)
71 <223> OTHER INFORMATION: N may be any nucleotide
74 <220> FEATURE:
75 <221> NAME/KEY: misc_feature
76 <222> LOCATION: (1)..(947)
77 <223> OTHER INFORMATION: AAP-1-a nucleic acid
80 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
82 <222> LOCATION: (145)..(145)
83 <223> OTHER INFORMATION: N may be any nucleotide
86 <400> SEQUENCE: 4
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89 tgctgaagcc tttaaatgca gcatctgcga tgtgaggaaa ggcacctcca ccagaaaacc      120
W--> 91 tcggatcaat tctcagctgg tggcncacaa agtggcacaa cagtatgcca cccaccacc      180
93 ccctaaaaag gagaagaagg agaaagttga aaagcaggac aaagagaaac ctgagaaaga      240
95 caaggaaatt agtcctagtgt ttaccaagaa aaataccaac aagaaaacca aaccaaagtc      300
97 tgacattctg aaagatcctc ctagtgaagc aaacagcata cagtctgcaa atgctacaac      360
99 aaagaccagc gaaacaaatc acacctcaag gccccggctg aaaaacgtgg acaggagcac      420
101 tgcacagcag ttggcagtaa ctgtgggcaa cgtcaccgtc attatcacag actttaagga      480
103 aaagactcgc tcctcatcga cctcctcctc cacagtgcac tccagtgcag ggtcagaaca      540
105 gcagaaccag ascagctcgg ggtcagagag cacagacaag ggctcctccc gttcctccac      600
107 gccaaagggc gacatgtcag cagtcaatga tgaatctttc tgaaattgca catggaattg      660
109 tgaaaactat gaatcagggt atgaaattca aaacctccac ctgcccatgc tgccttgcac      720
111 cctggagaat cttctgtgga catcgacctc ttagtgatgc tgccaggata atttctgctt      780
113 gccatgggca tctggccacc aagggaatttc gcacctgac gattactctt gacactttta      840
115 tgtattccat tgttttatat gattttccta acaatcattt ataattggat gtgctcctga      900
117 atctactttt tataaaaaaa gccttygtgg cctcgagaga tctatga      947
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121 <211> LENGTH: 1131
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (1)..(1131)
128 <223> OTHER INFORMATION: AAP-1-b nucleic acid
131 <400> SEQUENCE: 5
132 tataactatc tattcgatga tgaagatacc ccaccaaaacc caaaaaaaga gatctggaat      60
134 tcggatcctc gaggccacga aggcctttct cctccgagcg gcgccggttt cggcttgggg      120
136 ggggcggggg acagcccac ccatgaccatg ggcgacaaga agagcccgac caggccaaaa      180
138 agacaagcga aacctgccgc agacgaaggg ttttgggatt gtagcgtctg caccttcaga      240
140 aacagtgtct aagcctttta atgcagcatc tgcgatgtga ggaaaggcac ctccaccaga      300
142 aaacctcgga tcaattctca gctggtggca caacaagtgg cacaacagta tgccacccca      360
144 ccacccccta aaaaggagaa gaaggagaaa gttgaaaagc aggacaaaga gaaacctgag      420
146 aaagacaagg aaattagtcc tagtgttacc aagaaaaata ccaacaagaa aaccaaacca      480
148 aagtctgaca ttctgaaaga tcctcctagt gaagcaaaca gcatacagtc tgcaaattgt      540
150 acaacaaaga ccagcgaaac aatcacacc tcaaggcccc ggctgaaaaa cgtggacagg      600
152 agcactgcac agcagttggc agtaactgtg ggcaacgtca ccgtcattat cacagacttt      660
154 aaggaaaaga ctgcctcctc atcgacatcc tcatccacag tgacctccag tgcagggtca      720

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156 gaacagcaga accagagcag ctcgggggtca gagagcacag acaaggggctc ctcccgttcc 780
158 tccacgccaa agggcgacat gtcagcagtc aatgatgaat ctttctgaaa ttgcacatgg 840
160 aattgtgaaa actatgaatc aggggtatgaa attcaaaacc tccacctgcc catgctgctt 900
162 gcatccctgg agaattcttct gtggacatcg acctottagt gatgctgcca ggataatttc 960
164 tgcttgccat gggcatctgg ccaccaagga atttcgcacc ctgacgatta ctcttgacac 1020
166 ttttatgtat tccattgttt tatatgattt tcctaacaat catttataat tggatgtgct 1080
168 cctgaatcta ctttttataa aaaggccttc gtggcctcga gagatctatg a 1131

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171 <210> SEQ ID NO: 6

172 <211> LENGTH: 352

173 <212> TYPE: PRT

174 <213> ORGANISM: Homo sapiens

176 <220> FEATURE:

177 <221> NAME/KEY: MISC_FEATURE

178 <222> LOCATION: (1)..(352)

179 <223> OTHER INFORMATION: X is unknown amino acid residue

182 <400> SEQUENCE: 6

184 His Glu Gly Leu Ser Pro Pro Ser Gly Ala Gly Phe Gly Leu Gly Gly

185 1 5 10 15

188 Ala Gly Tyr Ser Pro Ser Met Thr Met Gly Asp Lys Lys Ser Pro Thr

189 20 25 30

192 Arg Pro Lys Arg Gln Ala Lys Pro Ala Ala Asp Glu Gly Phe Trp Asp

193 35 40 45

196 Cys Ser Val Cys Thr Phe Arg Asn Ser Ala Glu Ala Phe Lys Cys Ser

197 50 55 60

200 Ile Cys Asp Val Arg Lys Gly Thr Ser Thr Arg Lys Pro Arg Ile Asn

201 65 70 75 80

204 Ser Gln Leu Val Ala Gln Gln Val Ala Gln Gln Tyr Ala Thr Pro Pro

205 85 90 95

208 Pro Pro Lys Lys Glu Lys Lys Glu Lys Val Glu Lys Gln Pro Lys Glu

209 100 105 110

212 Lys Pro Glu Lys Asp Lys Glu Ile Ser Pro Ser Val Thr Lys Lys Asn

213 115 120 125

216 Thr Asn Lys Lys Thr Lys Pro Lys Ser Asp Ile Leu Lys Asp Pro Pro

217 130 135 140

220 Ser Glu Ala Asn Ser Ile Gln Ser Ala Asn Ala Thr Thr Lys Thr Ser

221 145 150 155 160

224 Glu Thr Asn His Thr Ser Arg Pro Arg Leu Lys Asn Val Asp Arg Ser

225 165 170 175

228 Thr Ala Gln Gln Leu Ala Val Thr Val Gly Asn Val Thr Val Ile Ile

229 180 185 190

232 Thr Asp Phe Lys Glu Lys Thr Arg Ser Ser Ser Thr Ser Ser Thr

233 195 200 205

236 Val Thr Ser Ser Ala Gly Ser Glu Gln Gln Asn Gln Ser Ser Ser Gly

237 210 215 220

240 Ser Glu Ser Thr Asp Lys Gly Ser Ser Ala Ser Ser Thr Pro Lys Gly

241 225 230 235 240

W--> 244 Asp Met Ser Ala Val Asn Asp Glu Ser Phe Xaa Asn Cys Thr Trp Asn

245 245 250 255

248 Cys Glu Asn Tyr Glu Ser Gly Tyr Glu Ile Gln Asn Leu His Leu Pro

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      249              260              265              270
W--> 252 Met Leu Leu Ala Ser Leu Glu Asn Leu Leu Trp Thr Ser Thr Ser Xaa
      253              275              280              285
W--> 256 Xaa Cys Cys Gln Asp Asn Phe Cys Leu Pro Trp Ala Ser Gly His Gln
      257              290              295              300
W--> 260 Gly Ile Ser His Pro Asp Asp Tyr Ser Xaa His Phe Tyr Val Phe His
      261 305              310              315              320
W--> 264 Cys Phe Ile Xaa Phe Ser Xaa Gln Ser Phe Ile Ile Gly Cys Ala Pro
      265              325              330              335
W--> 268 Glu Ser Thr Phe Tyr Lys Lys Ala Phe Val Ala Ser Arg Asp Leu Xaa
      269              340              345              350

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272 <210> SEQ ID NO: 7

273 <211> LENGTH: 40

274 <212> TYPE: DNA

275 <213> ORGANISM: Artificial Sequence

277 <220> FEATURE:

278 <223> OTHER INFORMATION: pACT-AAP-1b forward primer

280 <400> SEQUENCE: 7

281 aacgggatcc ggcggcatgg gcgacaagaa gagcccgacc

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284 <210> SEQ ID NO: 8

285 <211> LENGTH: 40

286 <212> TYPE: DNA

287 <213> ORGANISM: Artificial Sequence

289 <220> FEATURE:

290 <223> OTHER INFORMATION: pACT-AAP-1b reverse primer

292 <400> SEQUENCE: 8

293 aaaagtcgac tcagaaagat tcatcattga ctgctgacat

40

296 <210> SEQ ID NO: 9

297 <211> LENGTH: 35

298 <212> TYPE: DNA

299 <213> ORGANISM: Artificial Sequence

301 <220> FEATURE:

302 <223> OTHER INFORMATION: pACT-AAP-1b forward primer

304 <400> SEQUENCE: 9

305 gggaattcca tatgggagac aagaagagcc cgacc

35

308 <210> SEQ ID NO: 10

309 <211> LENGTH: 46

310 <212> TYPE: DNA

311 <213> ORGANISM: Artificial Sequence

313 <220> FEATURE:

314 <223> OTHER INFORMATION: pACT-AAP-1b reverse primer

316 <400> SEQUENCE: 10

317 aagaagtacg cggccgcgaa agattcatca ttgactgctg acatgt

46

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/655,109

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 5,145

Seq#:6; Xaa Pos. 251,288,289,314,324,327,352

VERIFICATION SUMMARY

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Input Set : A:\seq listing.txt

Output Set: N:\CRF3\08012002\I655109.raw

L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
 L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120
 L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:240
 L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:272
 L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:288
 L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:304
 L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:320
 L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:336